

it the name of *Edwardsia vestita*, with the following diagnosis, referring for a full description to my former account of it.

4. *Edwardsia vestita*. Apice plano, tentaculis biseriatis, exterioribus 32 longioribus; parte media cylindrica; epidermide crassa, translucida. Long. 3—4 unc.

III. In the 8th volume of the 'Annals' are some interesting papers by the Rev. D. Landsborough and Mr. Hassall on the Phosphorescence of Zoophytes. Before however we can assert the general phosphorescence of that class of animals, we must have many more observations than can be furnished by an examination of British species only. The general fact has long been known to British naturalists, though but little has been written about it, more precise observations than we have yet on record being required. These we must still attend. In the Medusæ and Tunicata the light appears to be derived from special organs (see Wagner's observations on this subject), and in polypes will probably be found to proceed from similar points.

[To be continued.]

#### VI.—Characters of several new Species of Brazilian Mammalia.

By DR. A. WAGNER of Munich\*.

Most of the animals of which the following are the diagnoses are contained in the collection at Vienna; those from Munich have *Mus. Monac.* affixed to them, and there is one new species for the use of which I am indebted to the kindness of Dr. Rüppell. With respect to the names of the species, I have adhered to the rule laid down in Schreber's work, to leave unaltered the names of species as given in the collections if found by me to be new, and even when I have arranged the species under a different genus.

*Callithrix brunnea*, Natt. *C. saturate fusca, tænia frontali lata manibusque nigris; vellere breviori, adpresso, stricto.*—Altitudo a vertice ad anum  $12\frac{1}{2}$ " , cauda  $17\frac{1}{2}$ " .

*Callithrix caligata*, Natt. *C. dilute fuscescens, pilis dorsi nigro flavoque annulatis, gastræo genisque cupreo-rufis, manibus sincipiteque nigris.*—Altitudo  $12\frac{1}{2}$ " , cauda  $14\frac{1}{2}$ " .

Borba et Rio Solimoëns.

*Chrysothrix entomophaga*, D'Orb.† *C. serina, supra nigro-mixta, capite supra aterrimo, antibrachiis manibusque splendide aureo-fulvis.*—Altitudo 11" , cauda  $14\frac{1}{2}$ " .

Rio Mamoré.

*Hapale chrysoleucos*, Natt. *H. albida, manibus caudaque splendide rutilo-fulvis, auriculis albo-penicillatis.*—Altitudo 9" , cauda  $12\frac{1}{2}$ " .  
Borba.

\* From Wiegmann's "Archiv," vol. viii. Part 6.

† Although this species has been figured by D'Orbigny under the name of *Callithrix entomophaga*, it has not yet been described.

*Phyllostoma excisum*, Wagn. *P. ferrugineo-brunneum*, subtus brunescens, prosthemate lanceolato, auriculis elongatis, emarginatis; cauda patagioque anali nullis.—Altitudo a vertice ad anum 2", antibrachium 1" 6".

Ypanema. Mus. Monac.

*Lutra solitaria*, Natt. *L. supra castaneo-fusca*, subtus sordide albida, rhinario nudo; cauda conica sensim attenuata, utrinque paululum fimbriata; vellere laxo.—Corpus 2' 5", cauda 1' 3".

Ypanema.

*Didelphys pæcilotus*, Natt. *D. pilis laneis albidis, sericeis partim basi albis, apice nigris, partim [at rarissime] totis albis, capite albo anguste tristriato, auriculis albido-carneis, nigro-maculatis.*—Magnitudo fere *D. cancrivoræ*.

Angaba.

*Didelphys dichura*, Natt.\* *D. cano-rufescens*, subtus albido-lutescens; cauda longitudine corporis, albido-carnea, supra fusco-maculata, subtus apiceque immaculata.—Corpus 8½", cauda 9".

Ypanema.

*Didelphys affinis*, Natt. *D. supra rufescens*, subtus albido-lutescens; cauda corpore paulum longiore, supra subtusque usque ad finem albido-maculata; mastotheca nulla.—Corpus 9", cauda 10".

Matto grosso.

*Didelphys ochropus*, Natt. *D. lanigeræ* similis, at minor, magis rufescens, capitis, colli truncique lateribus canescentibus; cauda fere dimidia nuda.

Barra.

*Didelphys macrotarsus*, Natt.† *D. murinæ* similis; auriculis multo majoribus; cauda tota nuda, saturate rubello-cinerea; pedibus posterioribus elongatis robustis.

*Didelphys microtarsus*, Natt. *D. murinæ* similis; auriculis multo longioribus; cauda saturate rubello-cinerea, subtus tenuissime pilosa; pedibus posterioribus abbreviatis gracilibus.

*Didelphys domestica*, Natt. *D. luteo-grisea*, subtus pallide lutescens, auriculis majusculis, capite haud striato; cauda abbreviata, crassiuscula, pilis albis brevissimis paucissimis vestita; mastotheca nulla.—Corpus 7", cauda 2" 4".

Cuyaba.

*Didelphys glirina*, Natt. *D. cinerascens*, subtus pallide cano-lutes-

\* Both *D. dichura* and *D. affinis* are liable to be confounded with *D. Philander*. The diagnosis for *D. Philander* might be as follows: *Didelphys supra rufescens* aut canescens, subtus albido-lutescens; cauda corpore multum longiore, parte nuda fusca, dein alba, supra subtusque fusco-maculata, apice longo immaculata albido-carnea; mastotheca ventrali.—Corpus 11" 2", cauda 15", pars pilosa 2" 9".

† *Didelphys macrotarsus* and *microtarsus* may have been confounded with *D. murina*, Neuw., which may be avoided by adopting the following diagnosis for *D. murina*: *D. auriculis minoribus, pedibus posterioribus gracilibus, cauda nuda clare rubello-albida.*

cens, lateribus ochraceis, capite abbreviato, auriculis mediocribus; cauda dimidio corpore paululum brevior, basi pilosa, dein nudiuscula.—Corpus  $6\frac{1}{2}''$ , cauda  $2'' 7'''$ .  
Mamoré.

*Didelphys velutina*, Natt. *D. murino-fusca*, subtus abrupte albida; cauda tota [basi excepta] pilis brevissimis adpressis glabris fuscis vestita.—Corpus  $3\frac{3}{4}''$ , cauda  $2\frac{3}{4}''$ .  
Ypanema.

*Didelphys unistriata*, Natt. *D. supra-ferruginea*, cano-mixta, subtus rufescens, stria dorsali obscuriori, cauda abbreviata pilosiuscula.—Corpus  $5\frac{1}{4}''$ , cauda  $2\frac{1}{2}''$ .  
Ytarare.

*Sciurus igniventris*, Natt. *S. supra e nigro flavoque mixtus*, subtus pedibusque saturate ferrugineo-rufis, interdum corpore toto nigro; cauda basi nigra, dein maximam partem ferruginea.—Corpus  $11\frac{3}{4}''$ , cauda  $13''$ .  
Rio Negro.

*Sciurus pyrrhonotus*, Natt. *S. supra pedibusque extus saturate ferrugineo-rufus*, subtus abrupte flavido-albescens; cauda ferruginea, basi macula magna nigra notata.—Major quam *Sciurus Langsdorffii*.  
Borba.

*Cercolabes melanurus*, Natt. *C. pilosissimus*, pilis nigris serinisque coloratis, aculeis intermixtis; cauda longissima, aterrima, basi sola supra excepta; pedibus nigris.—Corpus  $15\frac{1}{2}''$ , cauda  $17'' 5'''$ .  
Rio Negro [Barra].

*Loncheres macrura*, Natt. *L. supra fulvescens*, lateribus pallidior, subtus e cano lutescens; cauda fere corporis longitudine, nudiuscula, pilis nonnullis brevissimis albidis vestita.—Corpus  $10\frac{3}{4}''$ , cauda  $10''$ .  
Borba.

*Loncheres nigrispina*, Natt. *L. supra nitide brunneo-fulvida*, nigro-irrorata, subtus pedibusque albido lutescens, rostri lateribus cano-lutescentibus; cauda [basi crassa excepta] dense et æqualiter fusco-pilosa, apice haud penicillata.—Corpus  $9\frac{1}{4}''$ , cauda  $6''$ .  
Ypanema.

*Loncheres unicolor*, Rüpp.\* *L. unicolor* et dilute ferrugineo-brunnea, subtus pedibusque pallidior, cauda longius pilosa; vellere rigido sicco, pilis nonnullis planis, canaliculatis, angustis dorsalibus intermixtis.—Corpus  $10'' 9'''$ , cauda  $7'' 9'''$ .  
Brasilia.

*Hesperomys [Oxymycterus] rostellatus*, Wagn. *H. supra ex flavo nigroque variegatus*, subtus ochraceus; cauda corpore multum brevior, unicolore, nigra.—Corpus  $6'' 3'''$ , cauda  $3'' 10'''$ .  
Brasilia. Mus. Monac.

\* Catalogue of the Collections in the Museum of the Senckenberg Natural History Society. I am not acquainted with the nature of the molar teeth.

*Hesperomys arviculoides*, Pict.\* *H. olivaceo-brunneus*, nigro-adspersus, subtus pedibusque canus, cauda dimidii corporis longitudine, dense pilosa; vellere nitido molli.—Corpus 5" 5<sup>'''</sup>, cauda 2" 8<sup>'''</sup>.  
 Brasilia. Mus. Monac.

*Hesperomys orobinus*, Wagn. *H. supra brunneo-flavus*, subtilissime nigro-adspersus, subtus flavido-albescens, auriculis postice nudis, pedibus fuscis; cauda corpore multum brevior, squamata, nigricante.—Corpus 5", cauda 3" 5<sup>'''</sup>.  
 Brasilia. Mus. Monac.

*Hesperomys subflavus*, Wagn. *H. supra brunneo-flavidus*, subtus albidus, pedibus sordide albidis; cauda longitudine corporis, squamata, raripilosa.—Corpus 6", cauda 6".  
 Brasilia. Mus. Monac.

*Dasyprocta nigricans*, Natt. *D. tota e nigro alboque variegata*, tergo concolore.—Corpus 22".  
 From Borba on the Madaïro, and from Rio Negro above Cocuy.

VII.—*Descriptions of Chalcidites discovered by C. DARWIN, Esq.*  
 By FRANCIS WALKER, Esq., F.L.S.

*Thoracantha Latreillii*, Fem. *Nigro-cyanea*, antennæ piceæ, pedes fulvi, femora fusca, alæ limpidæ.

*Thoracantha Latreillii*, Guérin, *Icon. Règne Anim., Insectes*, pl. 67.

Corpus gibbum, altum, compressum, incurvum, convexum, nigro-cyanæum, nitens, glabrum: caput parvum, transversum, declive, subtilissime striatum; vertex sat latus; frons impressa, ad os angustior: oculi rufi, mediocres, non extantes: ocelli 3, remoti, rufi, triangulum fingentes; medius perparum antepositus: antennæ piceæ, parvæ, graciles, extrorsum crassiores, apice fulvæ, capite vix longiores; articulus 1<sup>us</sup> longus, sublinearis; 2<sup>us</sup> cyathiformis; 3<sup>us</sup> et 4<sup>us</sup> minimi; 5<sup>us</sup> et sequentes breves, approximati; clava conica, articulo 10<sup>o</sup> duplo longior: thorax maximus: prothorax brevissimus; sternum parvum; dorsum minimum, supra non conspicuum: mesothoracis scutum transverse striatum, longitudine latius, per medium obsolete sulcatum; parapsidum suturæ bene determinatæ, postice approximata; scutellum transversum, breve, subtilissime rugulosum, per medium obsolete sulcatum: metathoracis dorsum maximum, subtilissime rugulosum, quasi bipartitum; pars antica longitudine vix latior, per medium obsolete sulcata; pars postica longior, fissa; fissura postice dehiscens, similitudine *Melvidis* elytrorum, abdominis apicem attingens: petiolus vix conspicuus: abdomen compressum, apice subtilissime rugulosum, basi læve, thorace paullo brevius et angustius; segmentum 1<sup>um</sup> dorsum et sternum omnino obtegens: pedes fulvi, graciles, simplices, subæquales; coxæ nigro-cyanæ; trochanteres picei; femora fusca; tarsis articuli 1<sup>o</sup> ad 4<sup>um</sup> curtantes, 5<sup>us</sup> 4<sup>o</sup> paullo longior; ungues et pulvilli minuti: alæ limpidæ, parvæ; squamulæ fulvæ; nervi albidus, vix conspicui, basi fulvi; nervus humeralis ulnari multo longior, radialis vix ullus, cubitalis brevissimus; stigma minimum. (Corp. long. lin. 2; alar. lin. 3.)

Brazil.

\* I have retained the name of *Mus. arviculoides*, Pictet, which was written on the label of the specimen when purchased.